

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/IB 03/05696

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G11B20/12 G11B20/18 G11B7/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 798 710 A (TOKYO SHIBAURA ELECTRIC CO) 1 October 1997 (1997-10-01) page 2, line 3 -page 3, line 42 abstract	1-15
A	US 5 850 566 A (WINARSKI DANIEL JAMES ET AL) 15 December 1998 (1998-12-15) column 2, line 12 -column 2, line 23 column 8, line 58 -column 8, line 64	1-15
A	EP 1 176 586 A (TOKYO SHIBAURA ELECTRIC CO) 30 January 2002 (2002-01-30) column 8, paragraphs 111,112	1-15

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
30 March 2004	28/04/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Lehnberg, C

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB 03/05696

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0798710	A	01-10-1997	JP	9259537 A		03-10-1997
			CN	1164091 A ,B		05-11-1997
			EP	0798710 A2		01-10-1997
			TW	413805 B		01-12-2000
			US	5914928 A		22-06-1999
US 5850566	A	15-12-1998		NONE		
EP 1176586	A	30-01-2002	JP	2002042348 A		08-02-2002
			JP	3486165 B2		13-01-2004
			JP	2002133667 A		10-05-2002
			EP	1176586 A2		30-01-2002